

# Converting Colors

CIELCh(64, 76.100, 327.947)

Have a look what the booklet for  
CIELCh(64, 76.100, 327.947)  
contains.

<b>CIELCh(64, 76.113, 327.957)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(64, 76.113, 327.957)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E769E4
RGB	231, 105, 228
RGB Percent	91%, 41%, 89%
CMY	0.0931, 0.5872, 0.1049
CMYK	0.00, 0.54, 0.01, 0.09
HSL	301°, 73%, 66%
HSV	301°, 54%, 91%
XYZ	52.1550, 32.8017, 77.1651
YIQ	156.6960, 35.6130, 64.9650

# Conversions

## Conversions Part 2

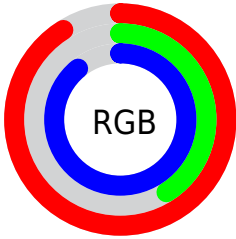
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 105, 228
Decimal	15165924
CIE Lab	64.00, 64.52, -40.38
CIE LCh	64, 76.113, 327.957
Yxy	32.8017, 0.3217, 0.2023
Android (android.graphics.Color)	4293356004 (0xFFE769E4)
YUV	156.6960, 35.1529, 65.1646
Hunter-Lab	57.2727, 62.3225, -39.7920

# Details

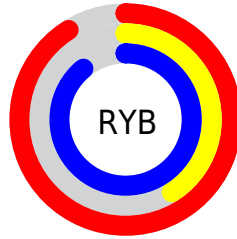
The CIELCh color  $64, 76.113, 327.957$  is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be  $83, 76.772, 140.409$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $78, 58.540, 326.437$ , and  $44, 76.162, 328.093$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 86.921, 328.364$ , and if you desaturate by 10%, it is  $68, 63.585, 327.490$ .

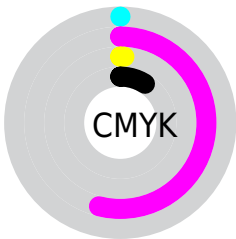
# Distribution



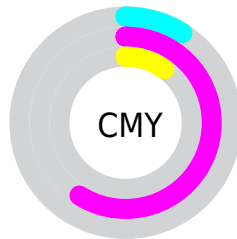
- Red (91%)
- Green (41%)
- Blue (89%)



- Red (91%)
- Yellow (41%)
- Blue (89%)



- Cyan (0%)
- Magenta (54%)
- Yellow (1%)
- Black (9%)




- Cyan (9%)
- Magenta (59%)
- Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 76.113, 327.957 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 76.113, 327.957 by changing the saturation by 10% instead.





 64, 76.113,  
327.957


 64, 76.113,  
327.957


 100, 76.113,  
327.957


 54, 76.113,  
327.957


 84, 76.113,  
327.957

 44, 76.113,  
327.957

 94, 76.113,  
327.957

 34, 76.113,  
327.957

 24, 76.113,  
327.957

 14, 76.113,  
327.957

 4, 76.113, 327.957

 0, 76.113, 327.957

64, 76.113,  
327.957

64, 76.113,  
327.957

60, 86.921,  
328.364

68, 63.585,  
327.490

58, 95.461,  
328.699

73, 49.916,  
326.978

56, 101.328,  
328.956

78, 35.601,  
326.435

55, 104.445,  
329.139

83, 21.029,  
325.875

55, 105.318,  
329.218

89, 6.479, 325.287

95, 7.861, 144.820

98, 14.444,  
144.881

98, 14.214,  
145.533

■ 98, 13.986,  
146.206

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 76.113, 327.957



83, 76.772, 140.409

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 76.113, 327.957



64, 76.113, 17.957



64, 76.113, 147.957



64, 76.113, 197.957

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 76.110, 327.957



90, 25.154, 325.965



51, 72.956, 298.853



47, 16.992, 326.082



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 76.110, 327.957



66, 94.483, 328.396



62, 55.936, 350.839



45, 8.173, 325.587



42, 86.794, 329.201



8, 36.527, 329.049



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 76.110, 327.957



66, 94.483, 328.396



84, 52.585, 158.553



45, 8.173, 325.587



42, 86.794, 329.201



8, 36.527, 329.049



# Previews

## White Background



This preview shows how the CIELCh color 64, 76.113, 327.957 looks on a white background.

## Color Contrast Check

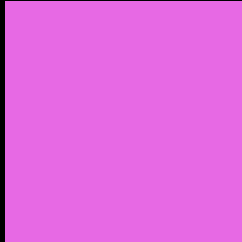
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 64, 76.113, 327.957 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

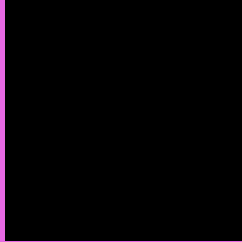
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 76.113, 327.957

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 76.113, 327.957.

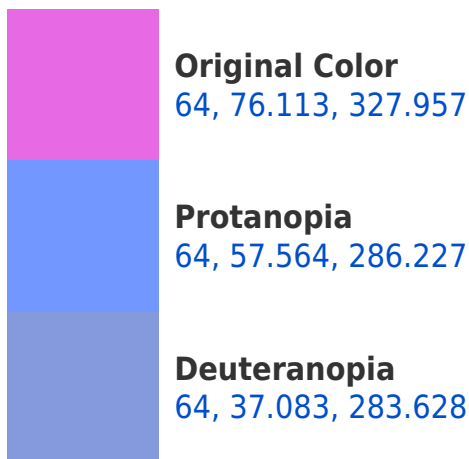


This preview shows how white text looks on a background with the CIELCh color 64, 76.113, 327.957.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy







**Tritanopia**  
64, 37.950, 15.497

# Trichromacy



**Original Color**  
64, 76.113, 327.957



**Protanomaly**  
63, 61.951, 302.173



**Deuteranomaly**  
63, 49.902, 306.779



**Tritanomaly**  
64, 47.213, 349.109

# Monochromacy



**Original Color**  
64, 76.113, 327.957



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
63, 30.226, 326.383

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 76.113, 327.957 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(231, 105, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 105, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 105, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 105, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 76.113, 327.957 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 105, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 105, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 105, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 105, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 105, 228); box-shadow:4px 4px 4px 4px rgb(231, 105, 228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 76.113, 327.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 105, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
105, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor